

LVM 7 · LOW VOLTAGE MODULE · PRELIMINARY

LVM 7

Modular LFP Battery Storage · 14 – 420 kWh scalable

A modular low-voltage battery system built for safety, longevity and simple installation. Compatible with leading hybrid inverters and scalable from a single 14 kWh tower to 420 kWh in parallel.

Product Highlights

- Scalable from 14 kWh to 420 kWh
- Compatible with Victron, Solis, Deye and Hoymiles inverters
- LFP battery chemistry — maximum safety and long life (6000 cycles @ 25 °C)
- Modular design simplifies transport and installation
- Steel housing, no additional wiring required

Configurations

Modules are installed in pairs. Up to 6 modules stack on top of each other to form a tower, and up to 10 towers can be connected in parallel for a maximum system size of 420 kWh.

	14 kWh	28 kWh	42 kWh
Number of Modules	2	4	6
Usable Energy	14 kWh	28 kWh	42 kWh
Max Cont. Current *	80 A	160 A	180 A
Dimensions H × W × D	608 × 800 × 260 mm	1108 × 800 × 260 mm	1608 × 800 × 260 mm
Weight	120 kg	230 kg	350 kg

Tower 2x — 14 kWh · Tower 4x — 28 kWh · Tower 6x — 42 kWh

**Maximum current may be thermally throttled to protect cell life. Under heavy or continuous use, power output may be temporarily reduced.*



Figure 1: LVM 7 MODULE – 7,15 kWh



Figure 2: 6 x LVM 7 MODULE – 42,9 kWh

Technical Parameters

All values are valid for all tower configurations unless stated otherwise.

Battery Module	LVM 7 (7 kWh, 51.2 V, 56 kg)
Battery Cell Technology	LiFePO4
Nominal Voltage	51.2 V
Operating Voltage	44 – 57.6 V
Operating Temperature	-10 °C to +40 °C
Round-Trip Efficiency	≥ 95 %
Life Cycles	6000 cycles @ 25 °C
Inverter Communication	CAN
Parallel Communication	RS485
Smart Home Integration	Ethernet
Enclosure Protection	IP 20
Certification	VDE2510-50 / CE / UN38.3
Warranty	8 Years
Compatible Inverters	Solis Hybrid, Deye Hybrid, Victron, Hoymiles

SAFETY & SIMPLICITY

LFP chemistry, steel enclosure, easy setup with no additional wiring — the LVM 7 is designed for maximum safety, long service life and a clean installation.

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